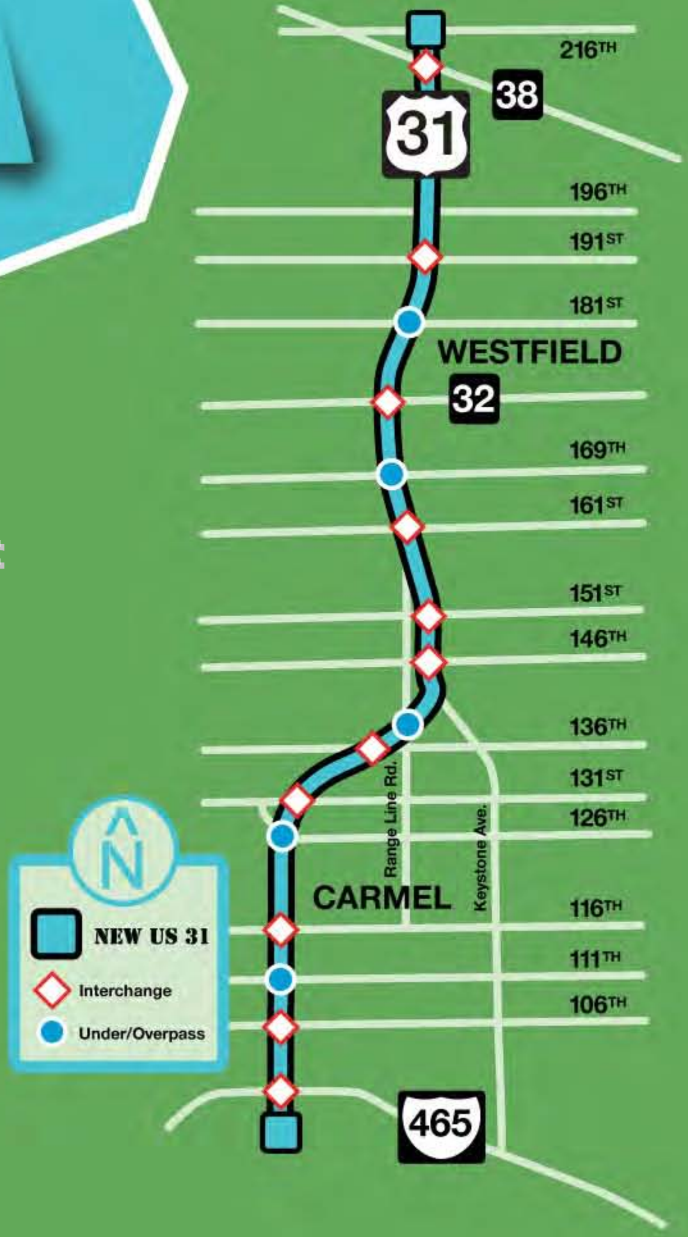
MAJOR MOVES

THE NEW US 31
HAMILTON COUNTY

Project Update for Westfield Chamber of Commerce

Thursday, March 19, 2009


216TH
38
31
196TH
191ST
181ST
WESTFIELD
32
169TH
161ST
151ST
146TH
136TH
131ST
126TH
Range Line Rd.
Keystone Ave.
CARMEL
116TH
111TH
106TH
465
N
NEW US 31
Interchange
Under/Overpass

Project Overview

- Roadway upgraded to freeway standards
- 13 miles of US 31 from I-465 to 216th Street
- Construction is expected to begin in 2011 @ SR 38
- Part of *Major Moves* initiative

Purpose & Need

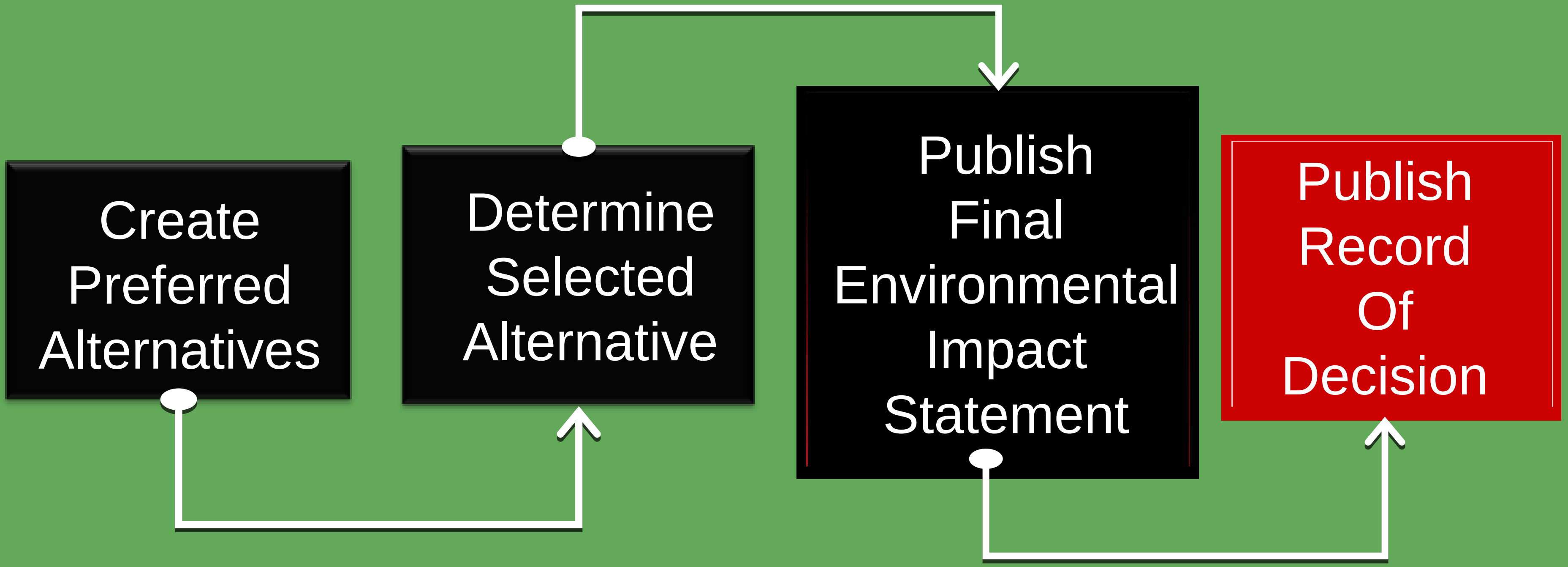
The purpose of the US 31 Improvement Project is to:

Reduce congestion for the US 31 corridor by improving to LOS D or better

Improve the level of safety for motorists using the US 31 corridor

Provide for the reliable and efficient movement of commerce and regional travel

What is NEPA?



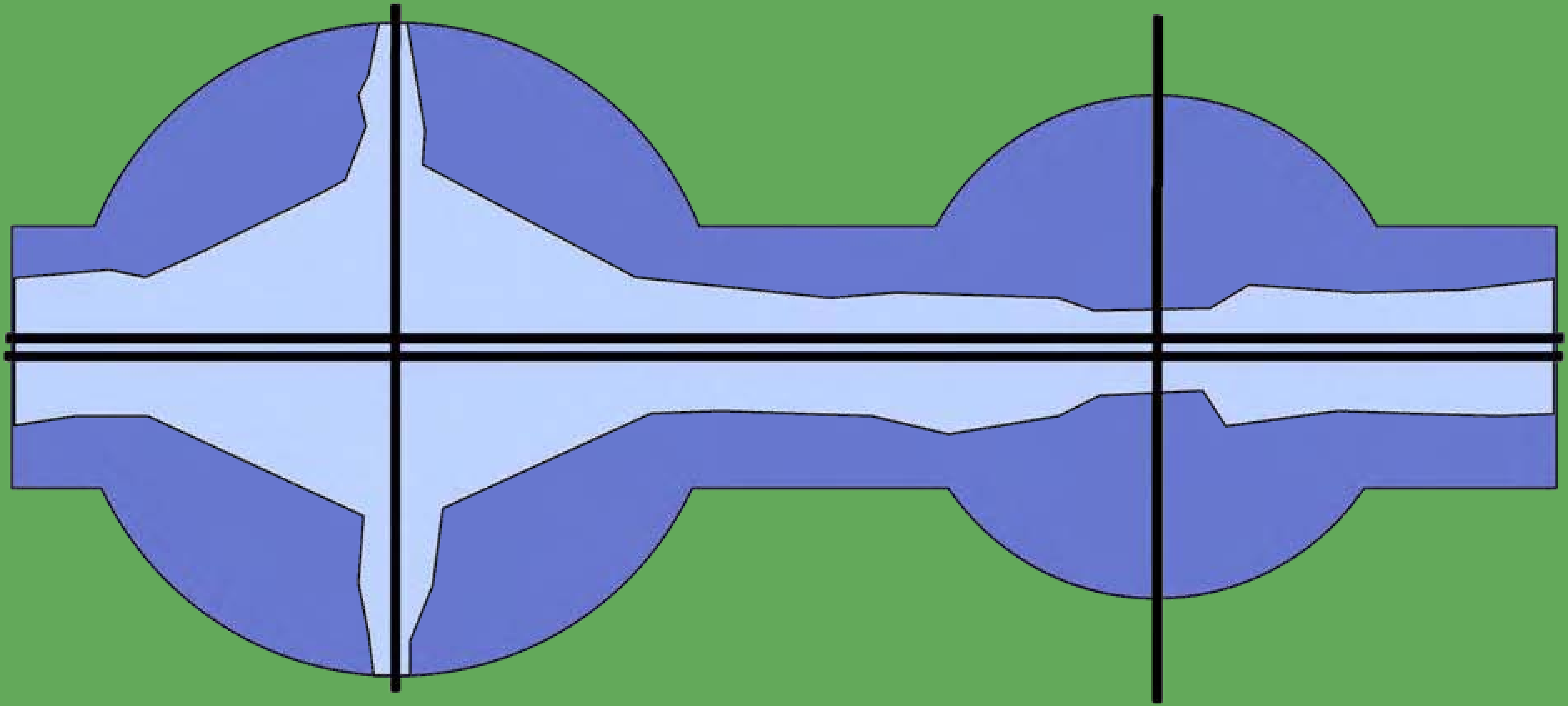
Create Preferred Alternatives

Determine Selected Alternative

Publish Final Environmental Impact Statement

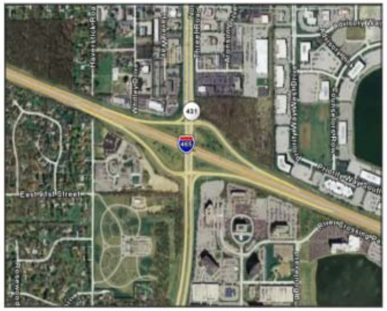
Publish Record Of Decision

Broad Footprint vs. Construction Limits

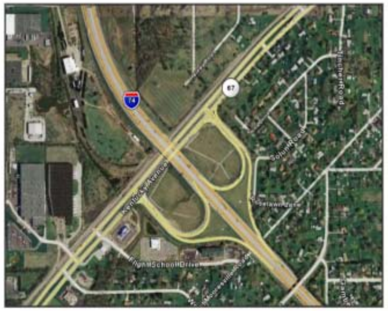


Interchange type selection criteria

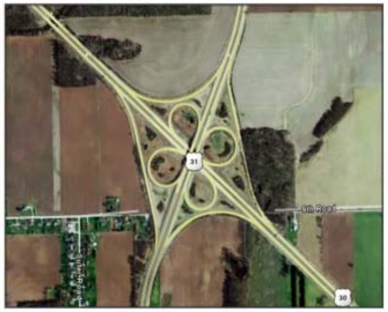
- Level of service (freeway/ramps)
- Operations (weaving, signage)
- Road User Impacts (safety, time)
- Driver Expectancy (right side exits)
- Roadway Configuration
- Construction/Maintenance Costs
- Ease of Construction
- Right-of-way impacts/availability
- Environmental impacts
- Growth of surrounding area



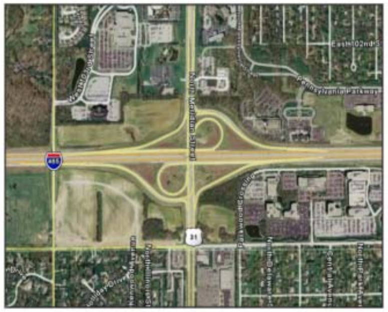
Diamond
Keystone Avenue at Interstate 465



Folded Diamond
State Road 67 at Interstate 465



Full Cloverleaf
US 31 at US 30



Partial Cloverleaf
US 31 at Interstate 465

Why Roundabouts?

- Optional Intersection
- Thoroughfare Plan
- Reduces Injury and Fatal Accidents
- Reduces Traffic Congestion
- Good Traffic Flow
- Functions Well at Low to Moderate Traffic Intersections

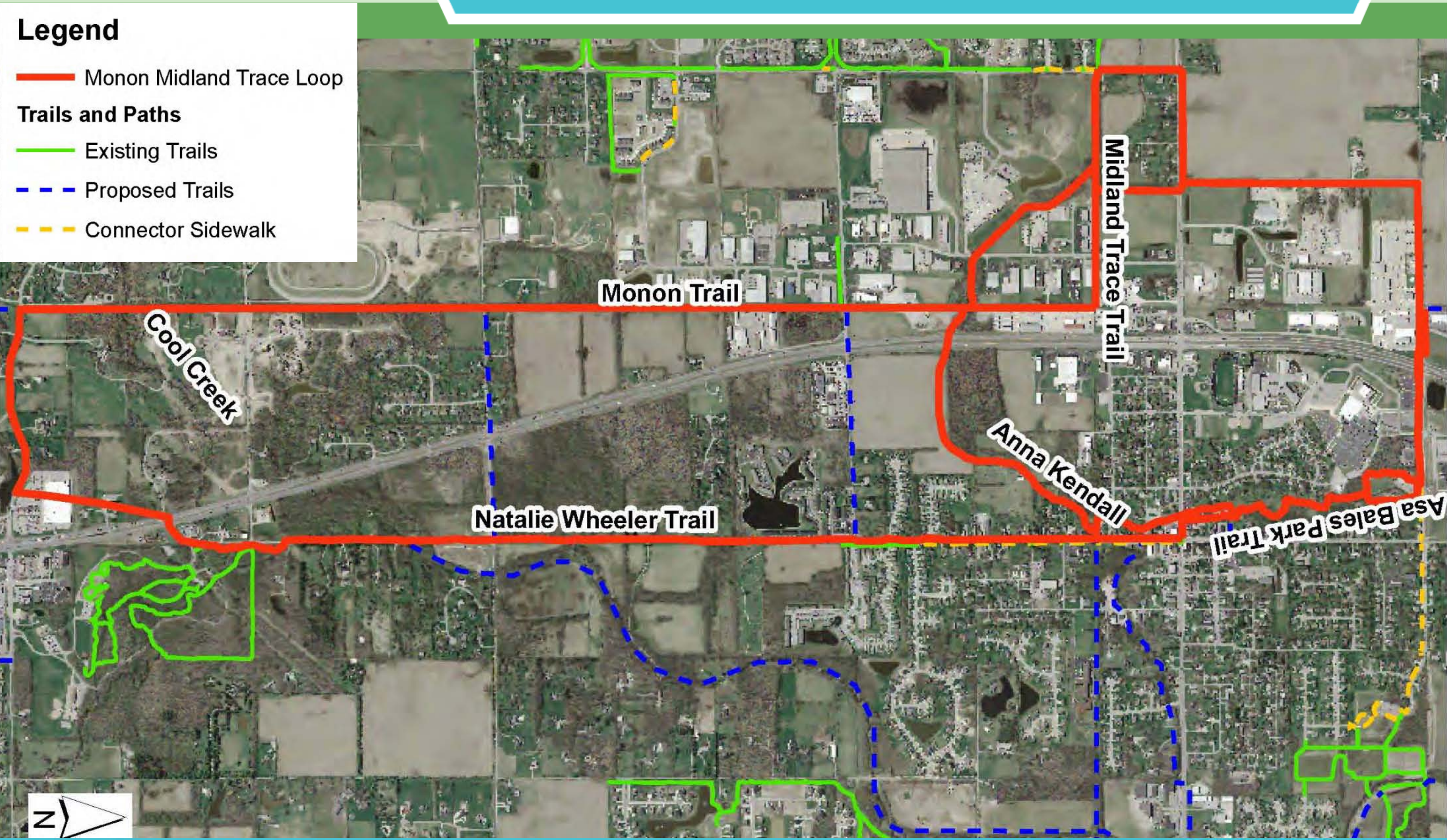
Crossroads & interchanges overview

- I-465 – Interchange
- 103rd – Cul-de-sac
- 106th – Interchange
- 111th – Crosses over US 31
- 116th – Interchange
- Old Meridian St – NB slip ramp
- 126th – Crosses over US 31
- 131st – Interchange
- 136th – Interchange
- Monon Trail – Crosses under
- Circle Drive – Access redirected to Clay Terrace
- Rangeline Road – Crosses under
- 146th – Split interchange
- Greyhound Pass - Right in/Right out access
- 151st – Split interchange

Crossroads & interchanges overview

- South Union / Westfield Boulevard – Pending local road alignment
- 156th – Cul-de-sac
- Buena Vista Drive – no access, rerouted to Farr Hills Drive
- 161st – Interchange
- 169th – Crosses under
- Park Street - Cul-de-sac
- SR 32 – Interchange
- 181st – Crosses over
- South Drive or North Glen Drive – Closed, no cul-de-sac
- Blackburn Avenue – Cul-de-sac
- North Union – Removing pavement between US 31 and North Union
- 191st – Interchange
- 196th – Cul-de-sac
- 202nd – Cul-de-sac
- 203rd – Cul-de-sac
- SR 38 – Interchange

City of Westfield
Pedestrian and bicycle facilities


Legend
Monon Midland Trace Loop
Trails and Paths
Existing Trails
Proposed Trails
Connector Sidewalk
Monon Trail
Midland Trace Trail
Cool Creek
Anna Kendall
Natalie Wheeler Trail
Asa Bales Park Trail
N

Pedestrian and bicycle facilities crossing US 31

The SDEIS details a commitment for some form of pedestrian crossing at all east-west crossings.

The subcommittee is currently discussing the needs for pedestrian and bicycle connectivity along the corridor. Definitions and local, state and federal standards for a variety of pedestrian and bicycle facilities were discussed including:

- Residential Sidewalk
- Urban Sidewalk
- Bike Lane
- Trail
- Jogging Path

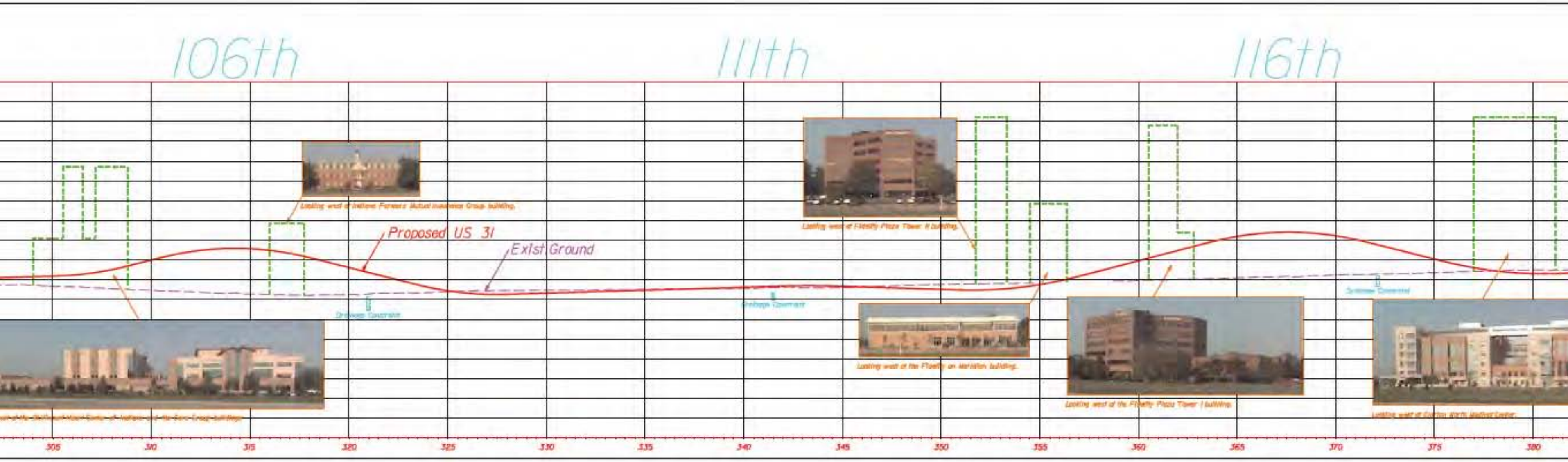
Why not transit instead?

Transit is part of a regional approach to address chronic congestion within the region. While not provided in the US 31 Hamilton County project, this does not preclude its future construction in the area.

SDEIS Language - The Mass Transit Alternative continues to not address the purpose and need of this project as a “stand alone” alternative because it would not significantly reduce congestion or improve safety.

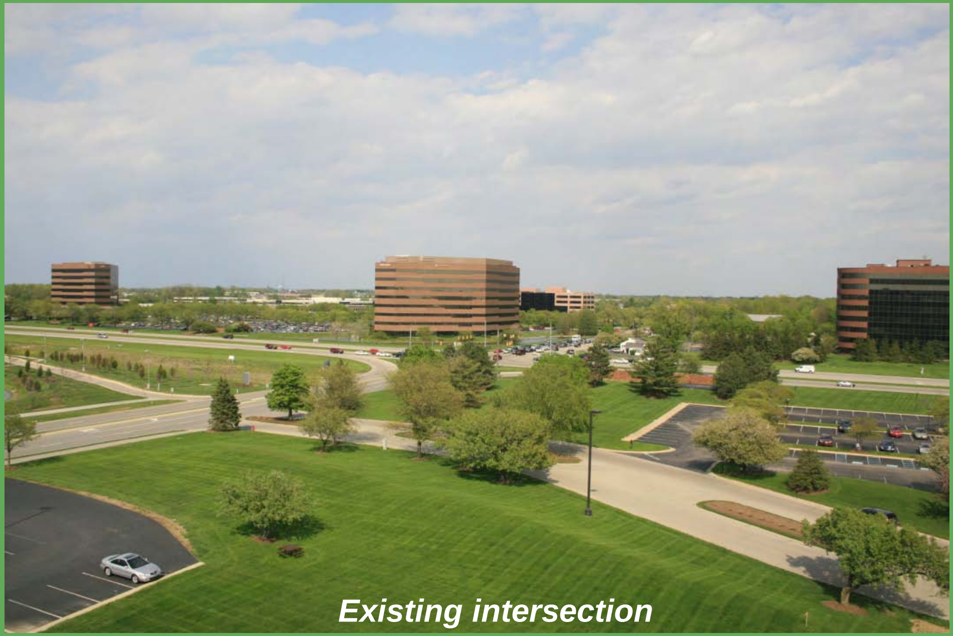
DMU
COLORADO RAILCAR

MAINLINE profile

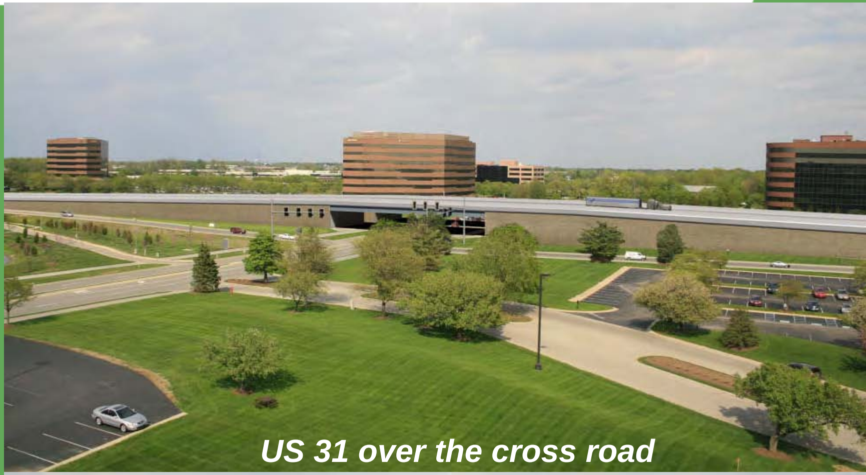

106th
111th
116th
Looking west of Indiana Farmers Mutual Insurance Group building.
Proposed US 31
Exist Ground
Drainage Constraint
Drainage Constraint
Looking west of Fidelity Plaza Tower II building.
Looking west of the Fidelity on Meridian building.
Looking west of the Fidelity Plaza Tower I building.
Drainage Constraint
Looking west of Clarian North Medical Center.
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380

- Drainage / Utility Constraints
- Gravity Drained
- Elevation of the Surrounding Area -

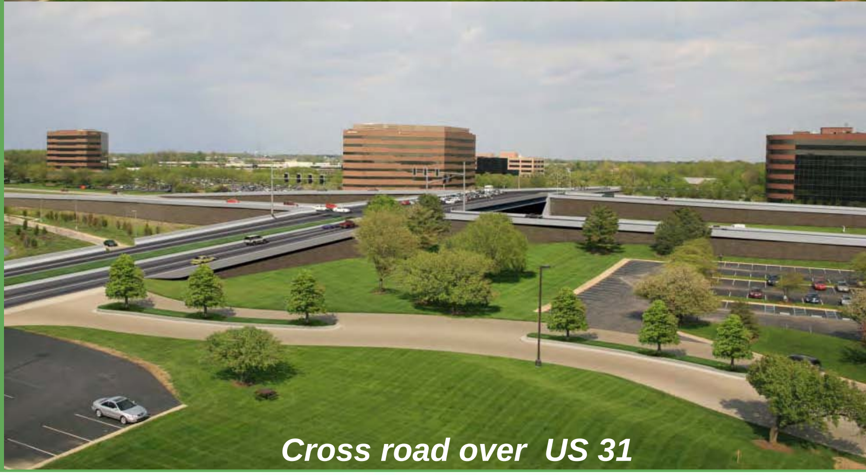
MAINLINE profile



Existing intersection



US 31 over the cross road

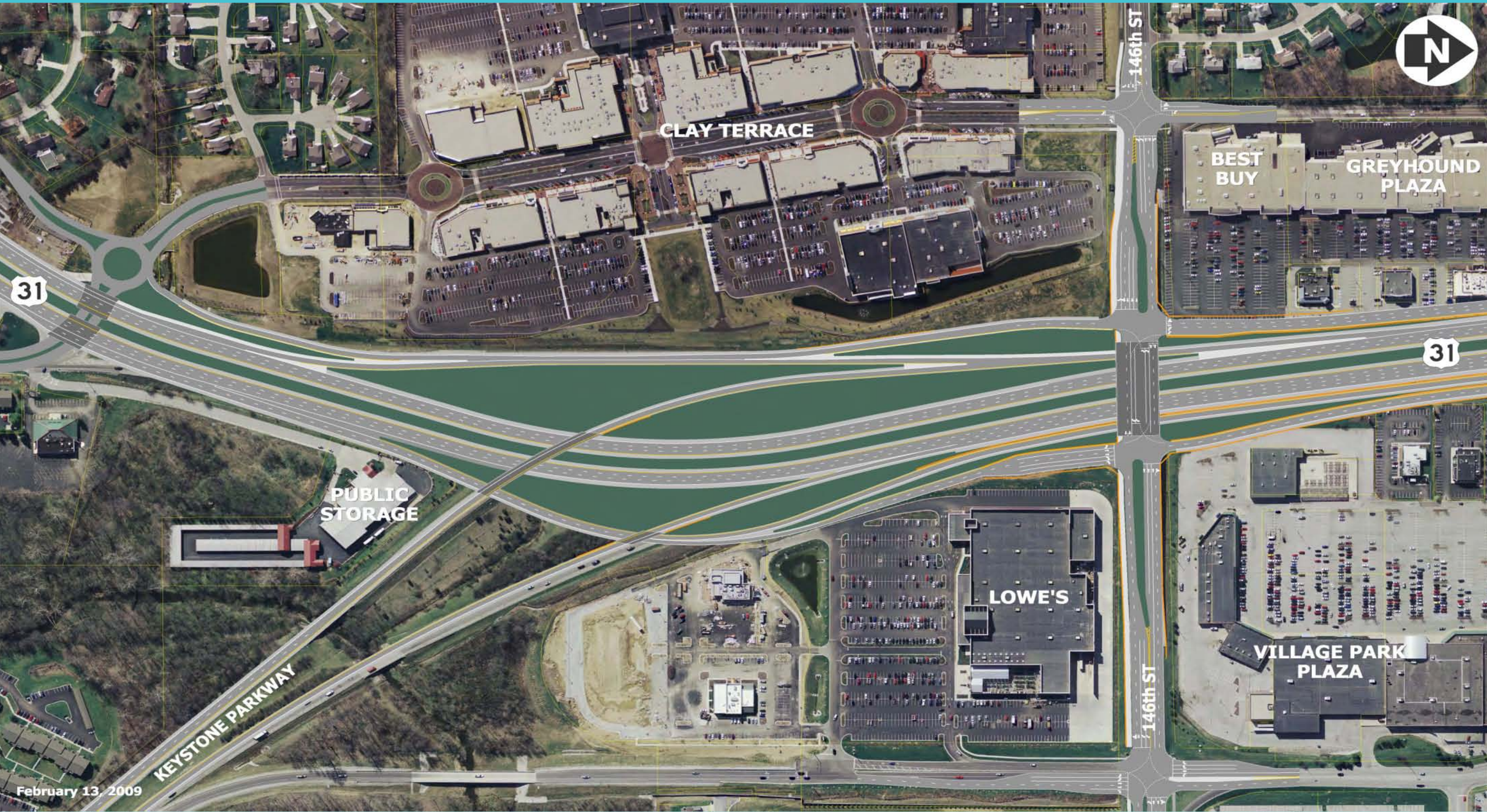


Cross road over US 31

146th to 151st Streets interchange area

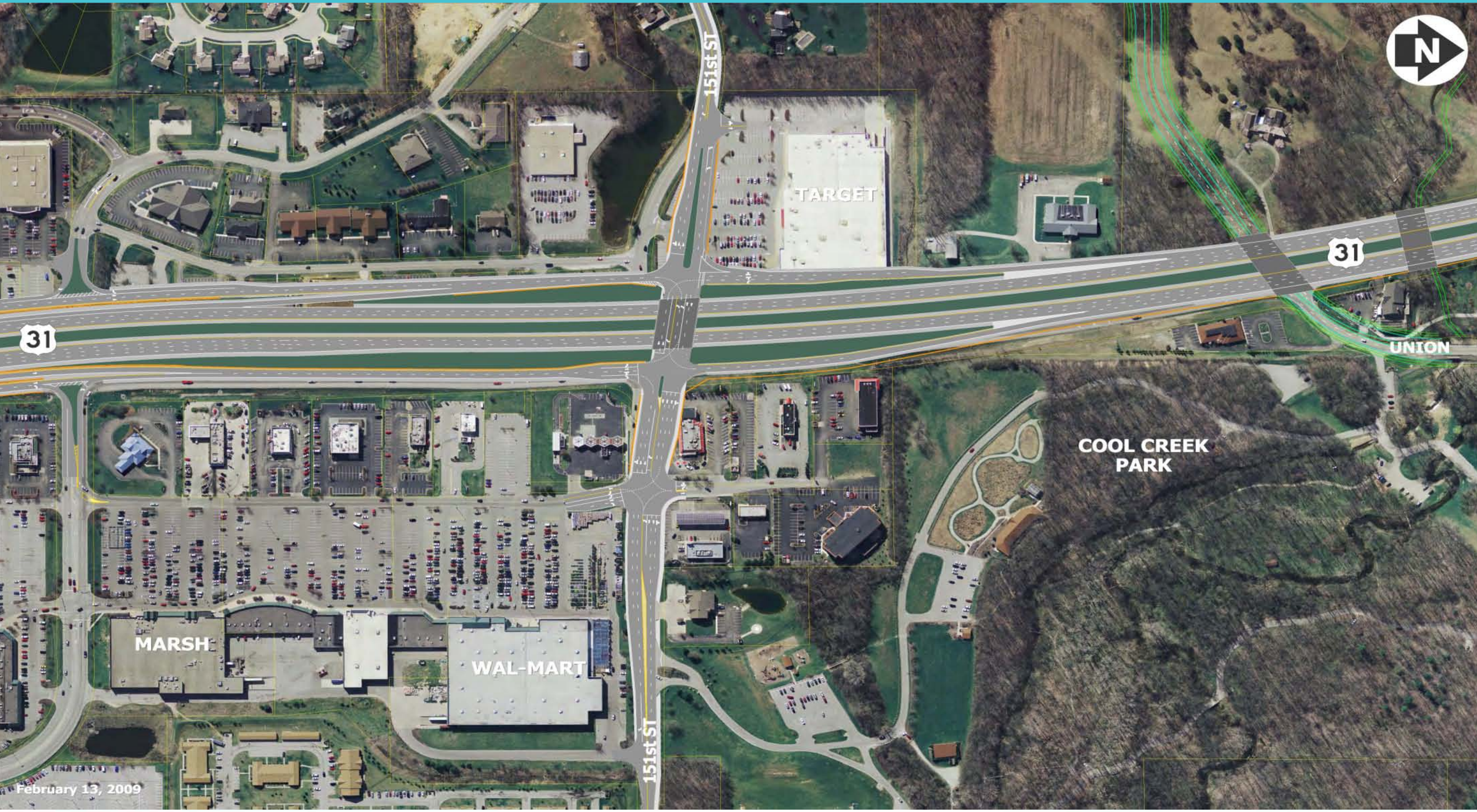
- There is no easy solution to this interchange area
- Design charrette held March 19th – *representatives from Hamilton County and the cities of Carmel and Westfield were in attendance*
- Shift US 31 mainline to avoid park (4F resource)
- Significant right of way impacts on west side of US 31

146th Street interchange


146th ST
N
CLAY TERRACE
BEST BUY
GREYHOUND PLAZA
31
31
PUBLIC STORAGE
LOWE'S
VILLAGE PARK PLAZA
146th ST
KEYSTONE PARKWAY

February 13, 2009

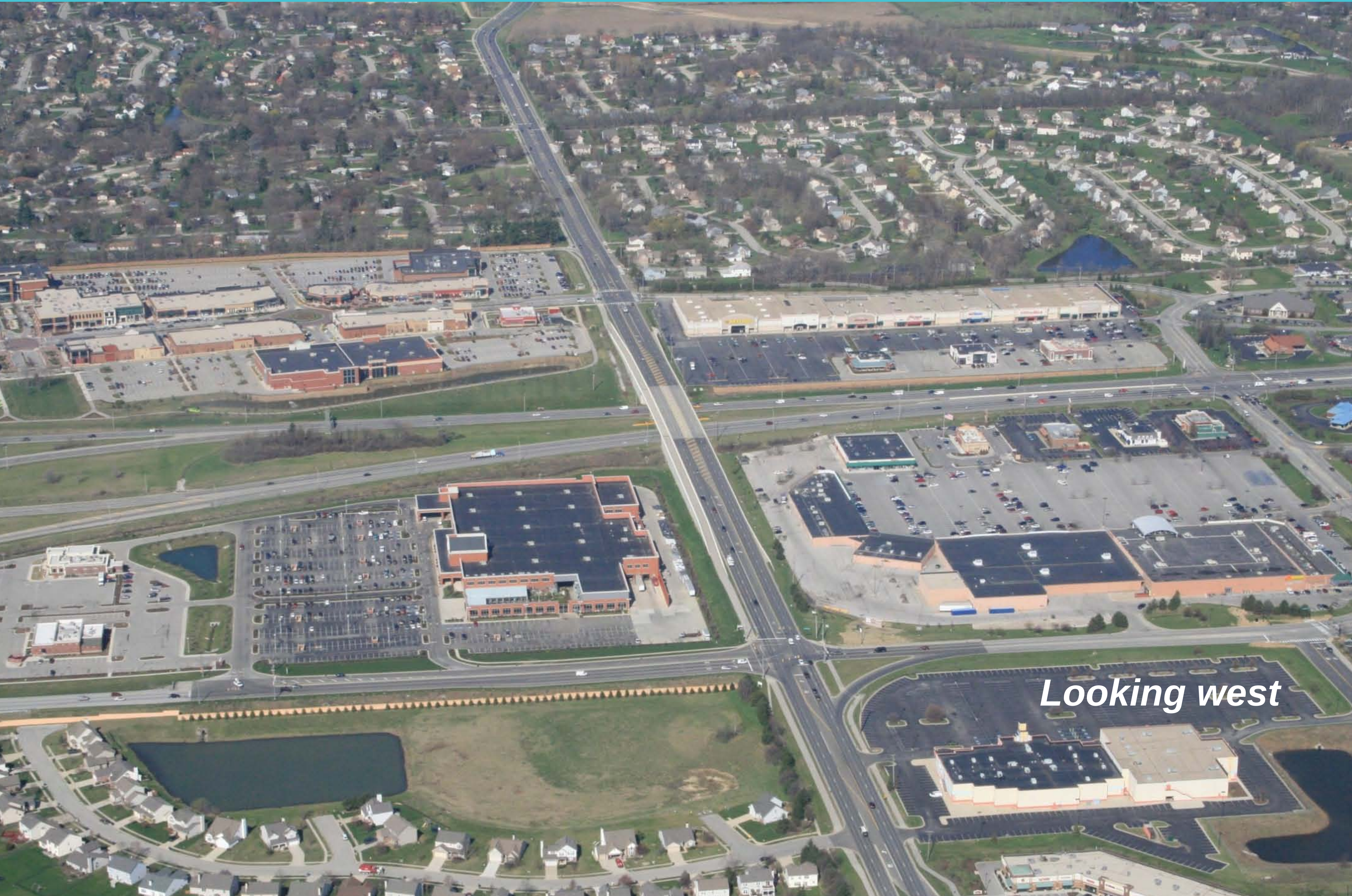
151st Street interchange


151st ST
TARGET
31
UNION
COOL CREEK PARK
MARSH
WAL-MART
151st ST
February 13, 2009
N

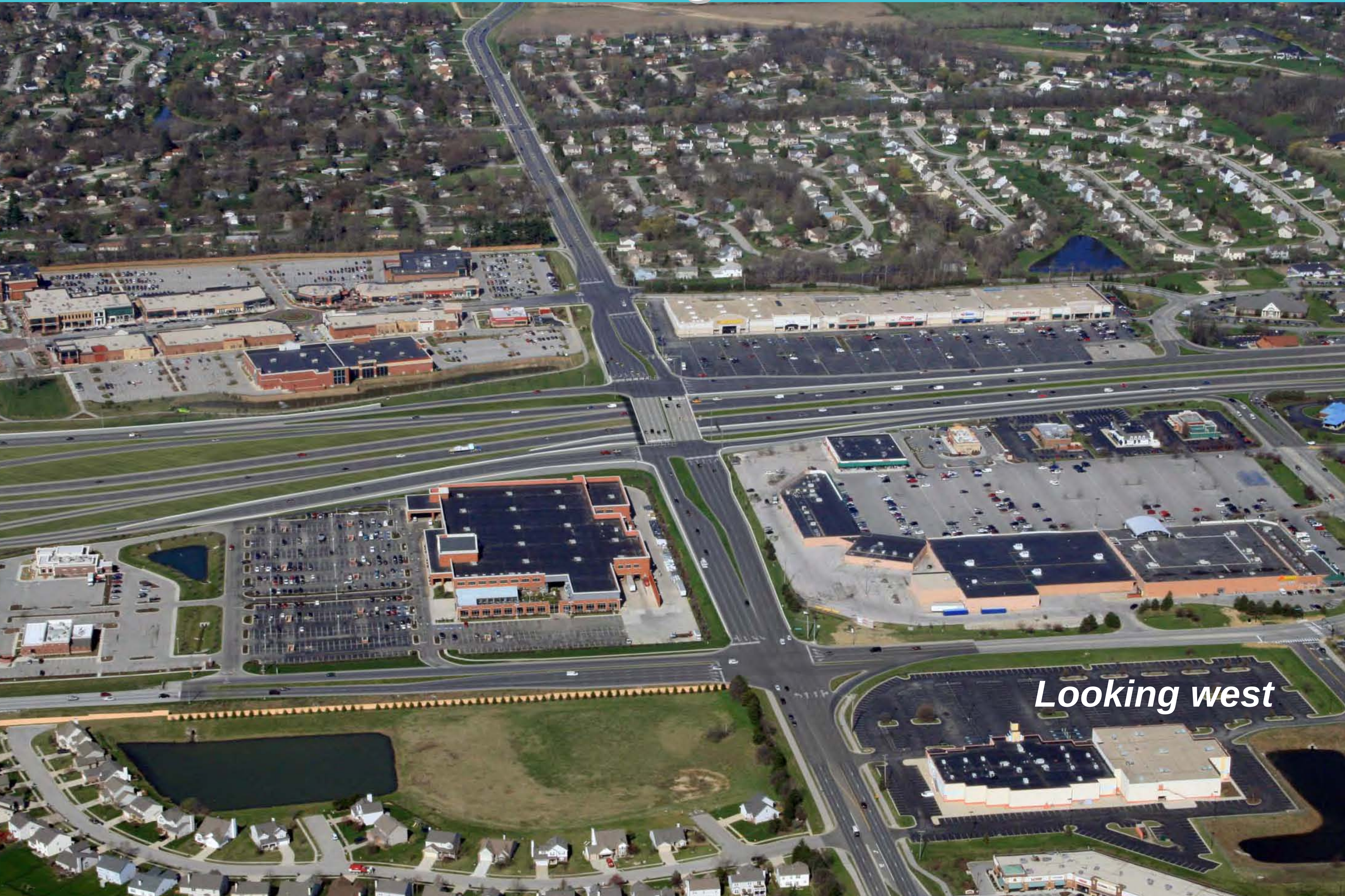
US31HamiltonCounty.in.gov

MAJOR MOVES THE NEW US 31 HAMILTON COUNTY

146th interchange area "before"


Looking west

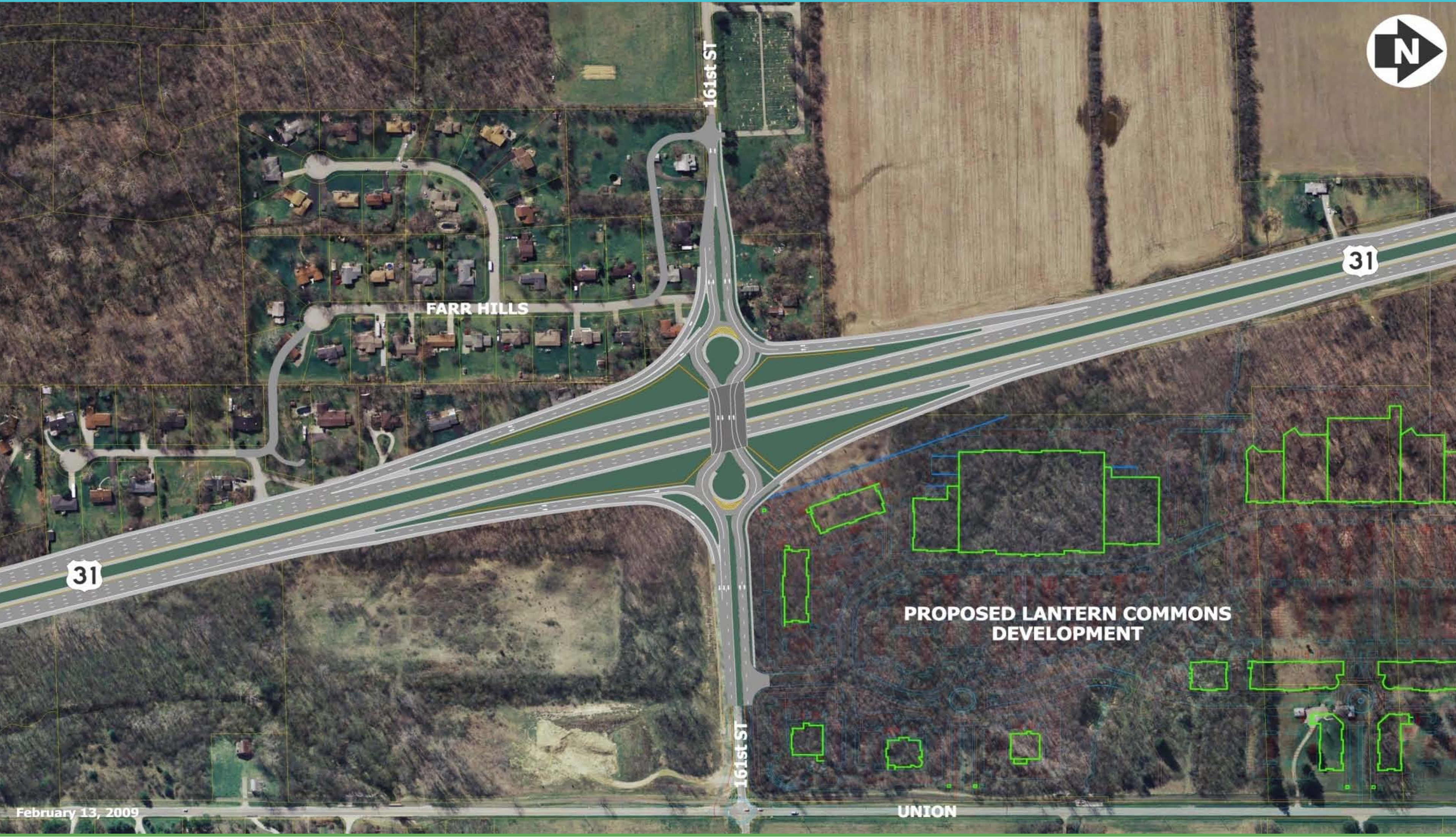
146th interchange area “after”


Looking west

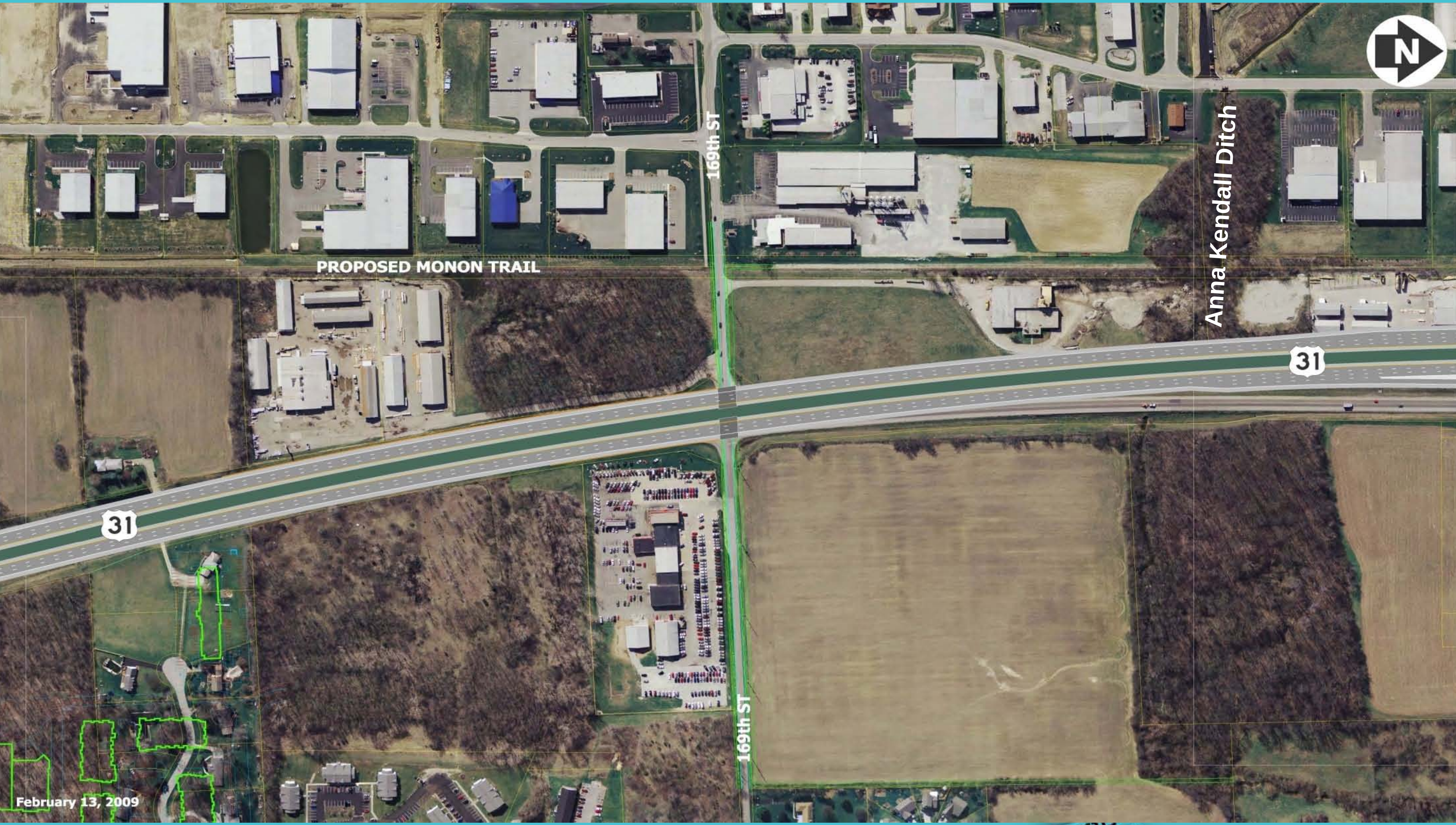
161st Street interchange

- Roundabout design in response to Westfield moving pedestrian trail to Cool Creek area
- Surrounding area lends itself to 161st Street crossing over US 31
- Buena Vista re-routed to Farr Hills Drive

161st St. interchange


N
161st ST
FARR HILLS
31
31
PROPOSED LANTERN COMMONS DEVELOPMENT
161st ST
February 13, 2009
UNION

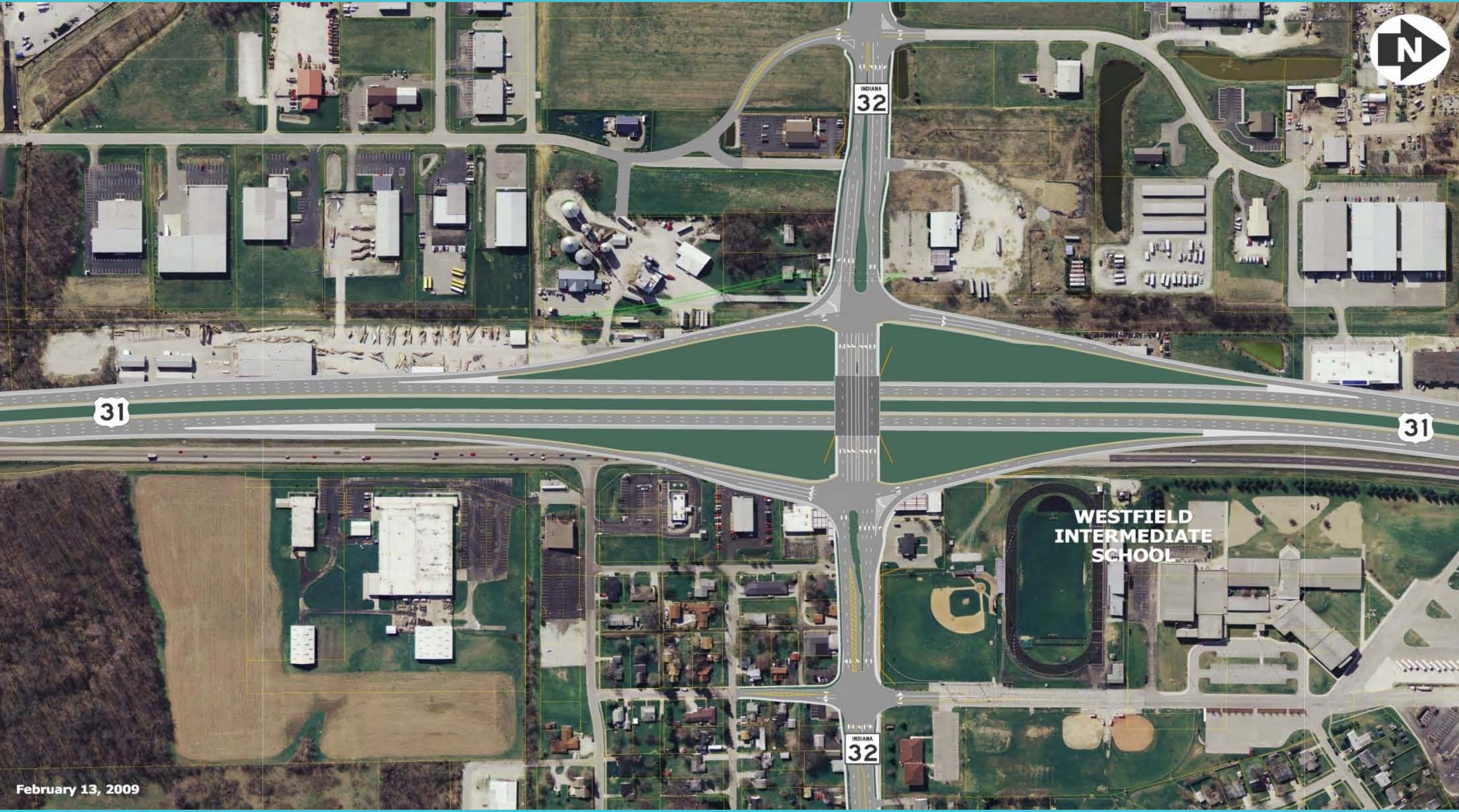
169th St.


N
169th ST
PROPOSED MONON TRAIL
Anna Kendall Ditch
31
31
169th ST
February 13, 2009

SR 32 interchange

- Coordination with INDOT and Westfield on SR 32 widening projects
- Shifted mainline US 31 and SR 32 to avoid park and school (4F resources)

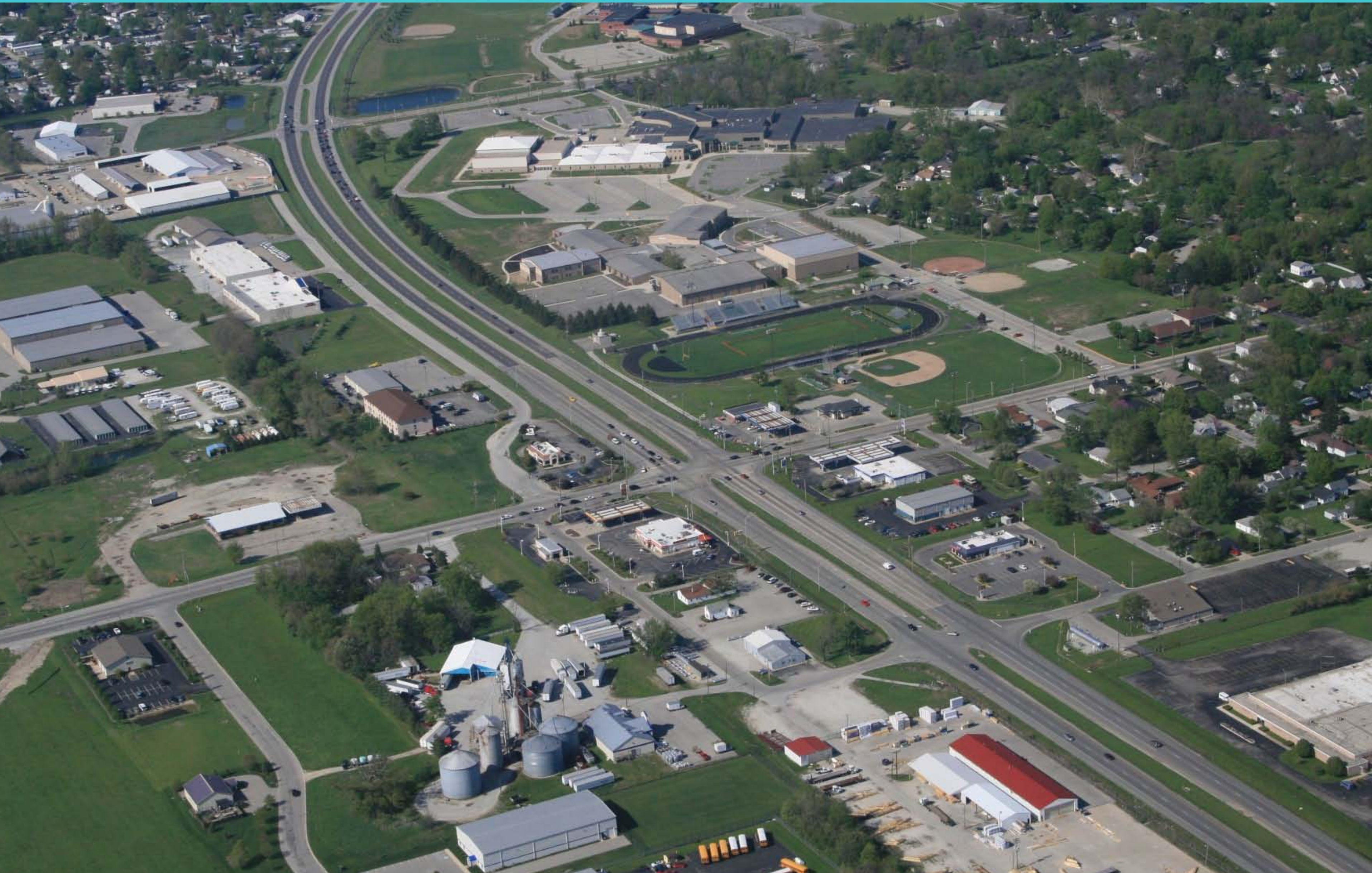
SR 32 interchange



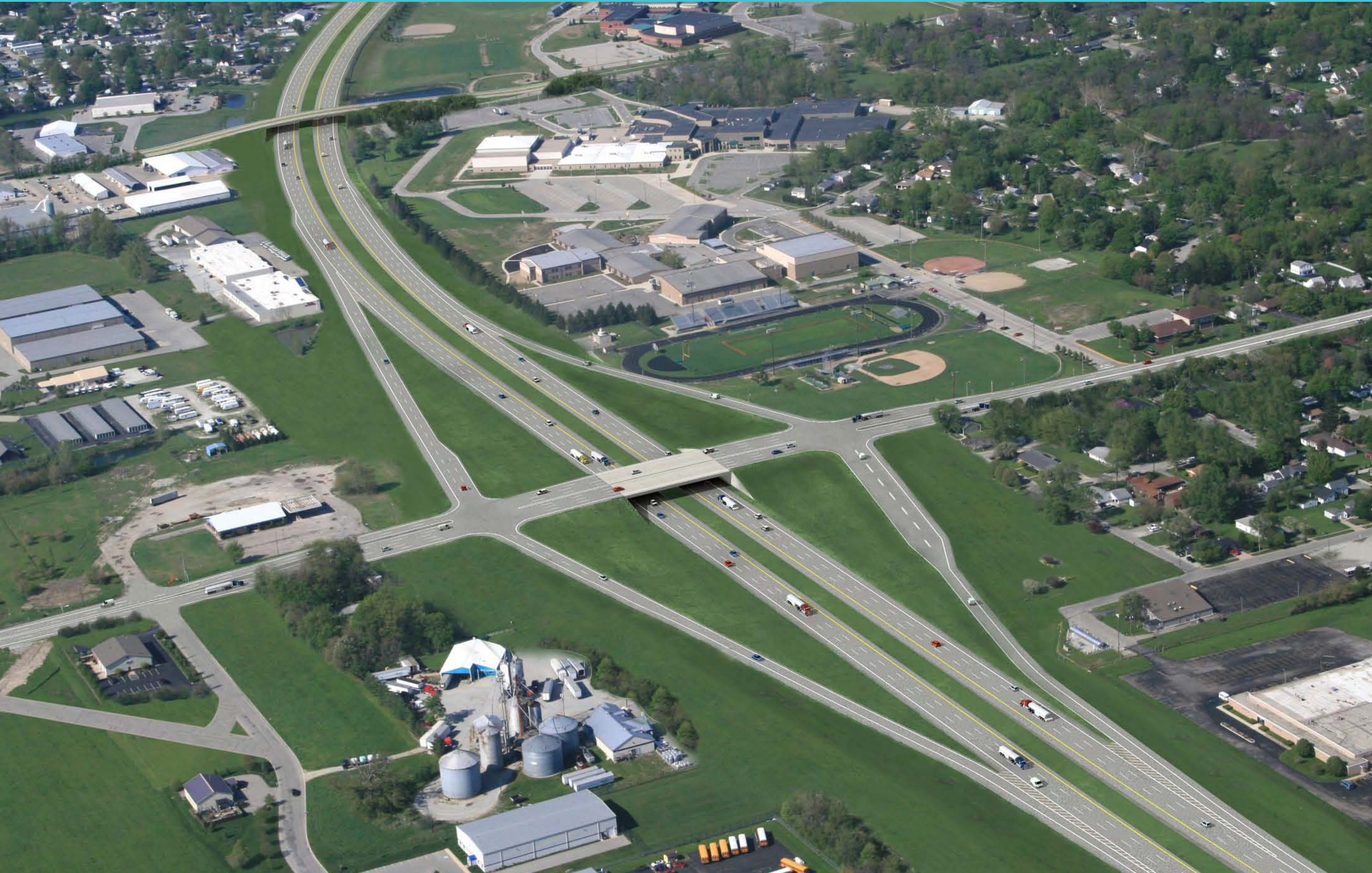
N
INDIANA 32
31
31
WESTFIELD INTERMEDIATE SCHOOL
INDIANA 32

February 13, 2009

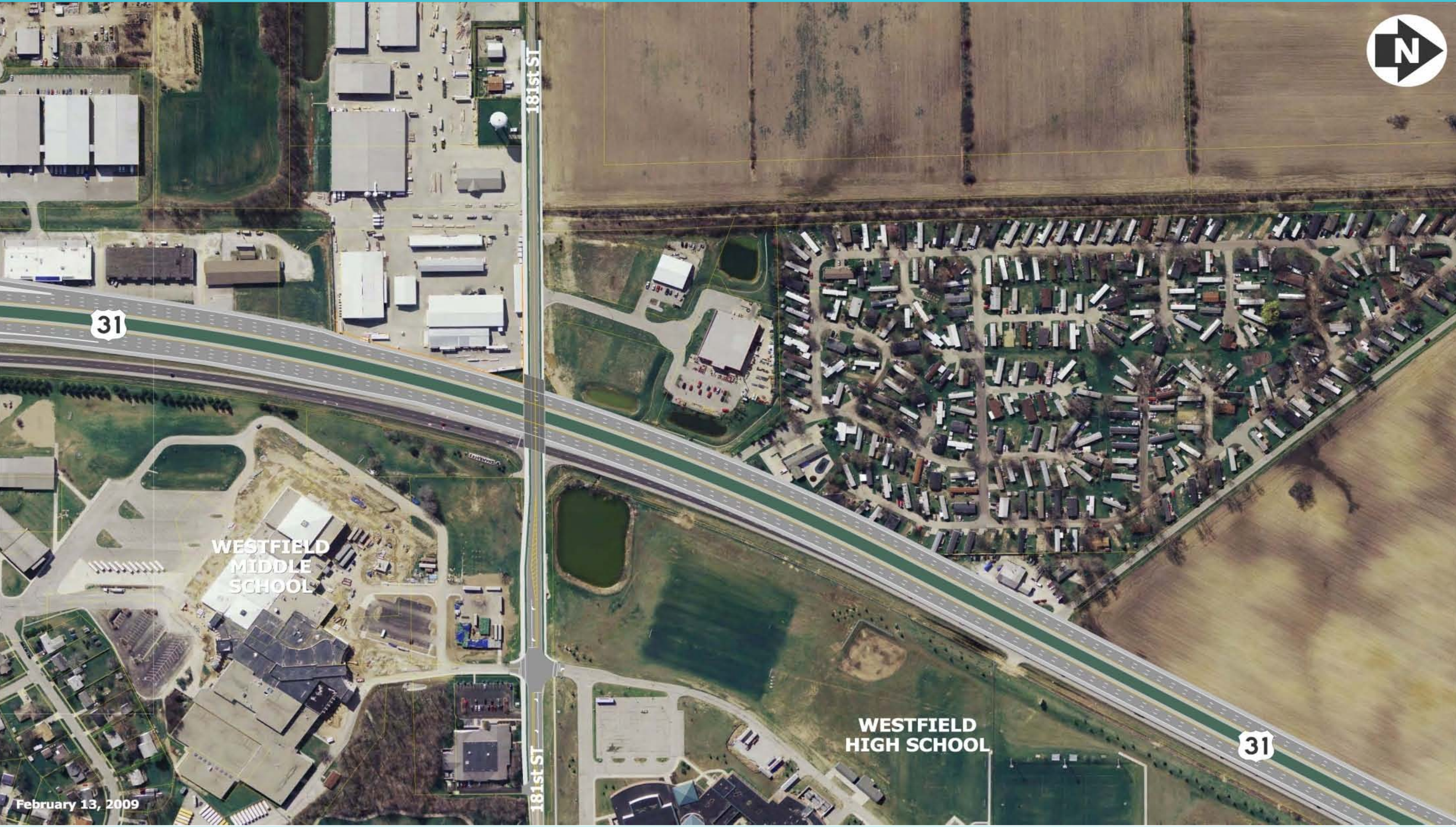
SR 32 interchange area “before”



SR 32 interchange area “after”



181st street

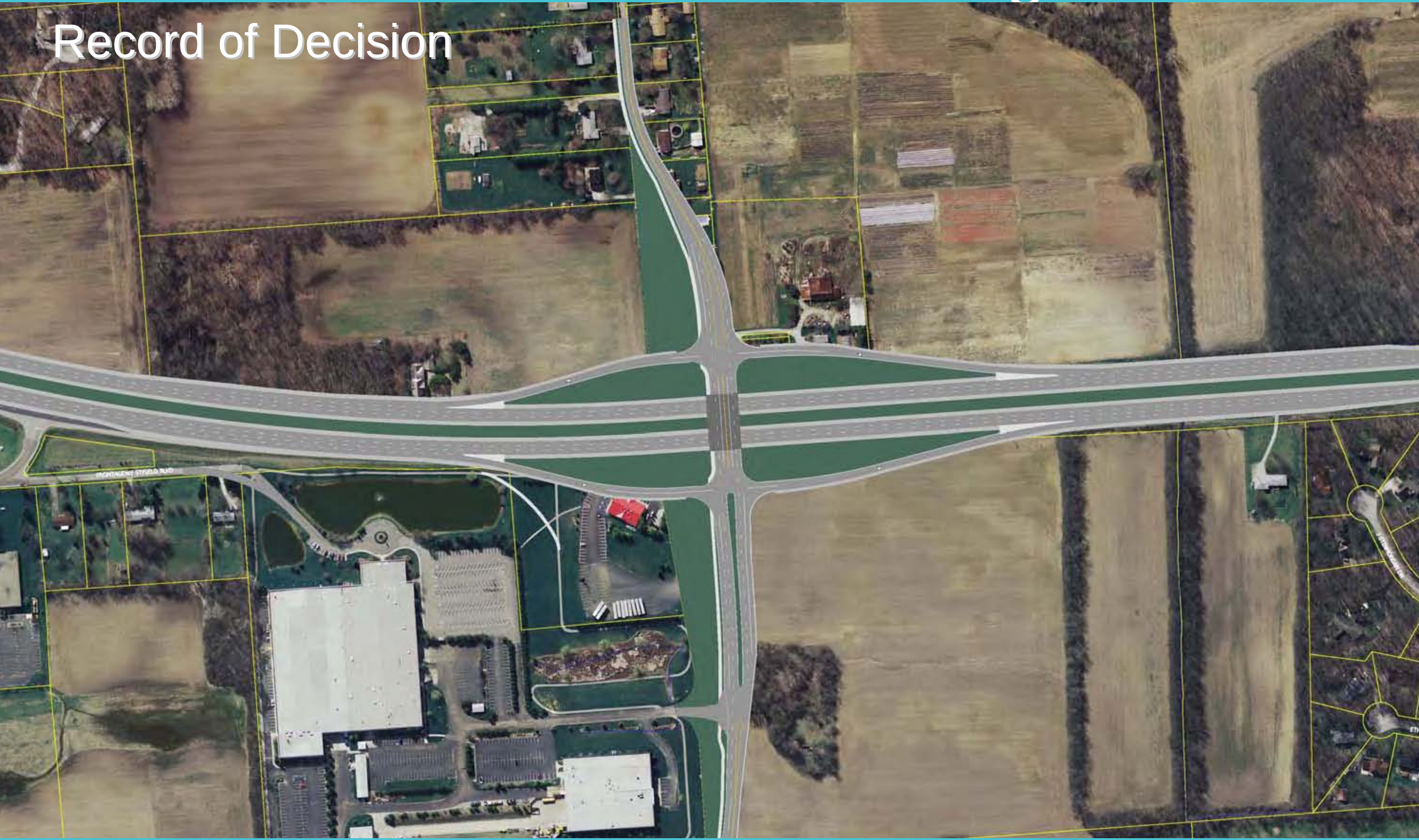

181st ST
31
WESTFIELD MIDDLE SCHOOL
WESTFIELD HIGH SCHOOL
31
181st ST
N
February 13, 2009

191st Street interchange

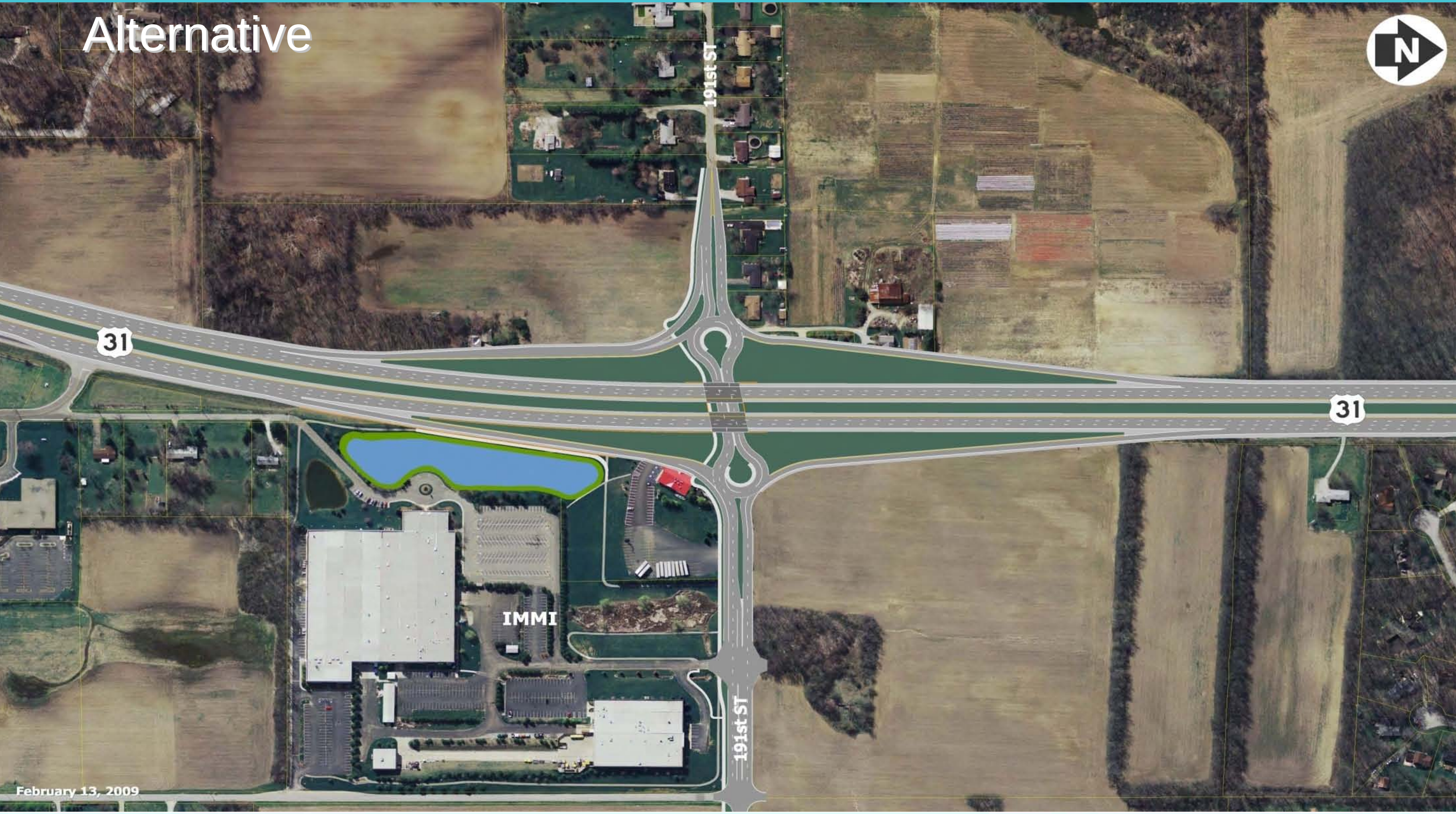
- City of Westfield has identified this as a major future growth corridor
- Adaptable to future improvements
- Environmental documents show this as a diamond interchange
- Working with Westfield and local businesses on a roundabout alternative

191st Street interchange

Record of Decision



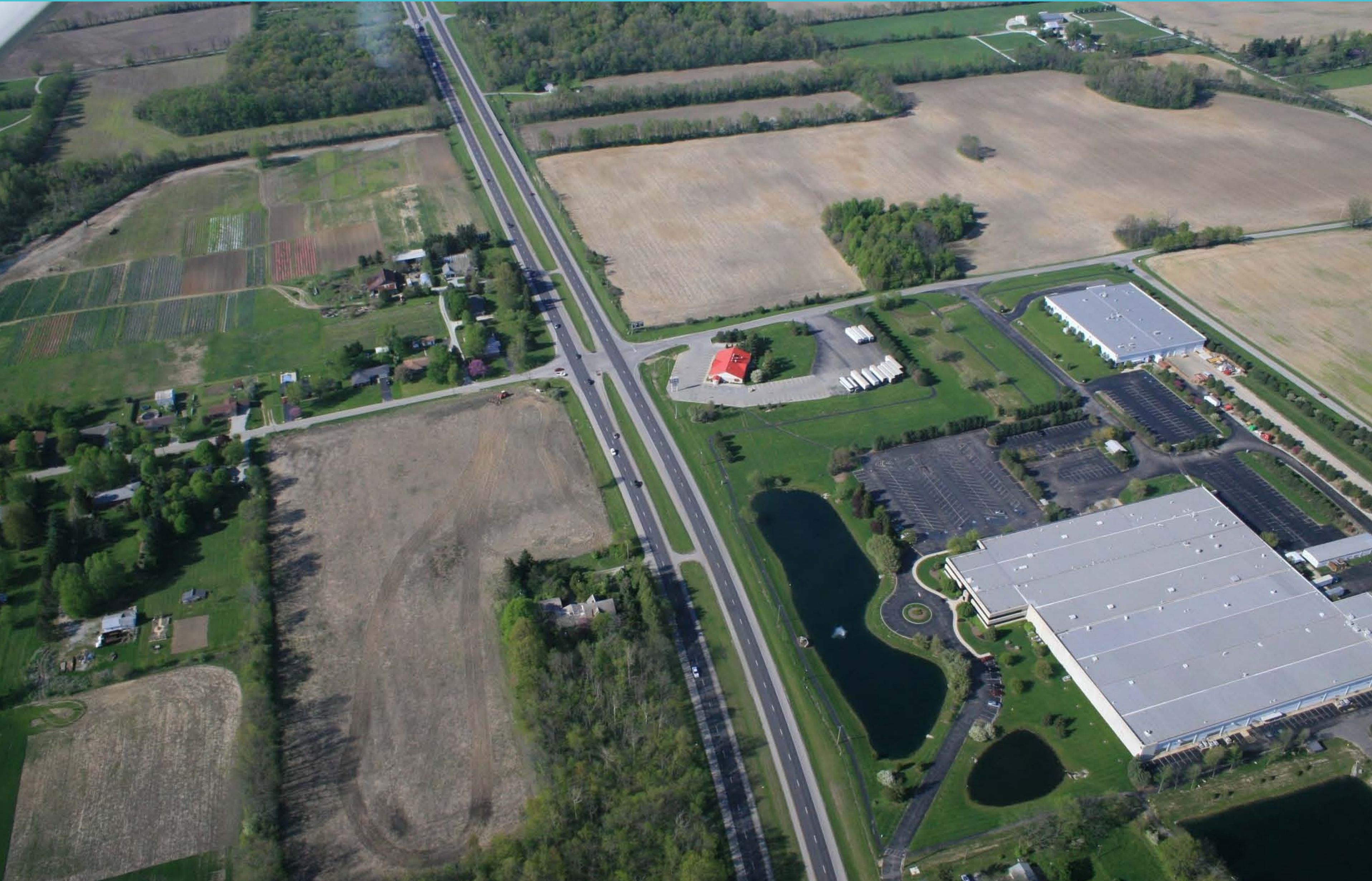
191st Street interchange


N
191st ST
31
31
IMMI
191st ST

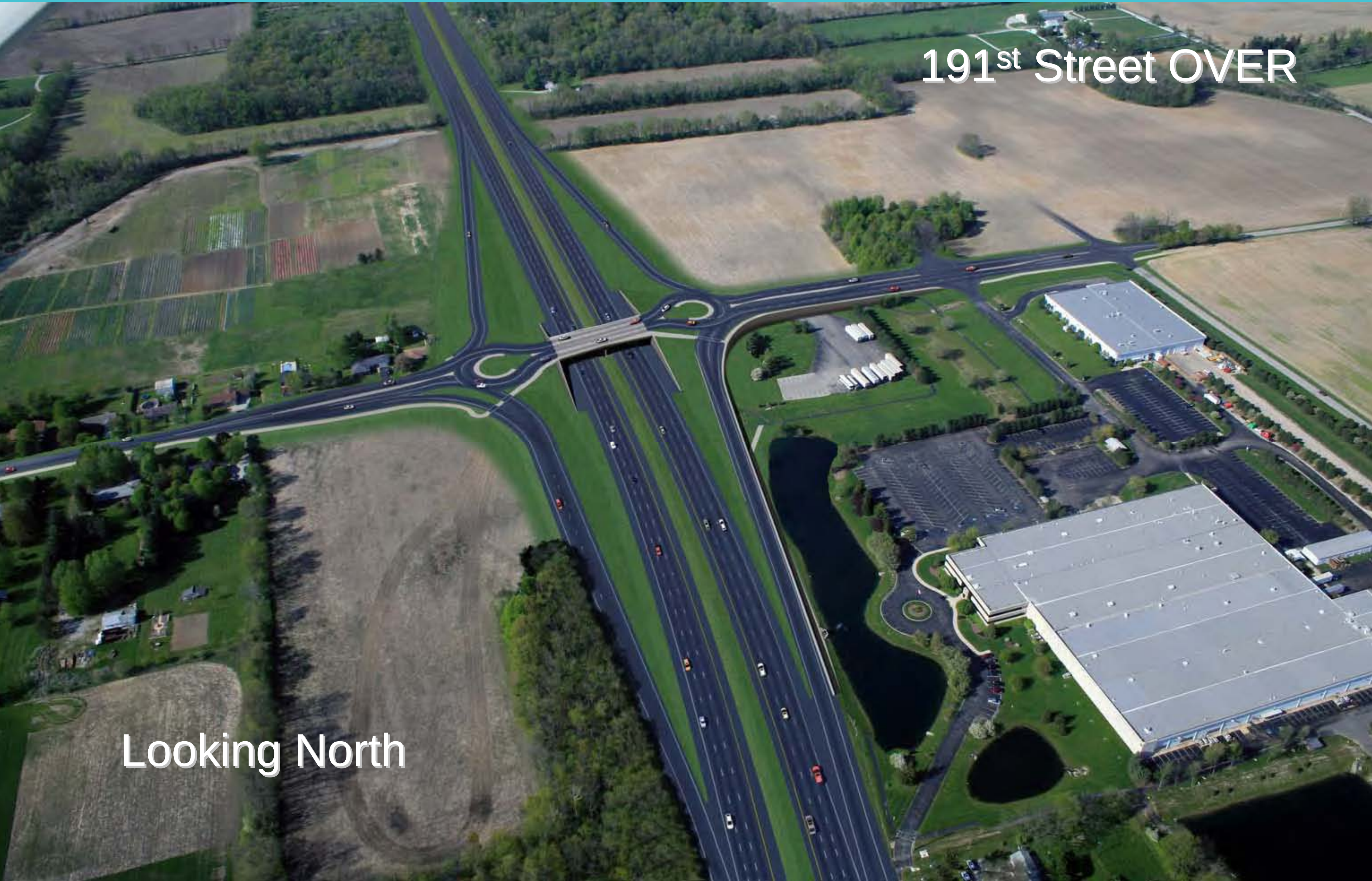
Alternative

February 13, 2009

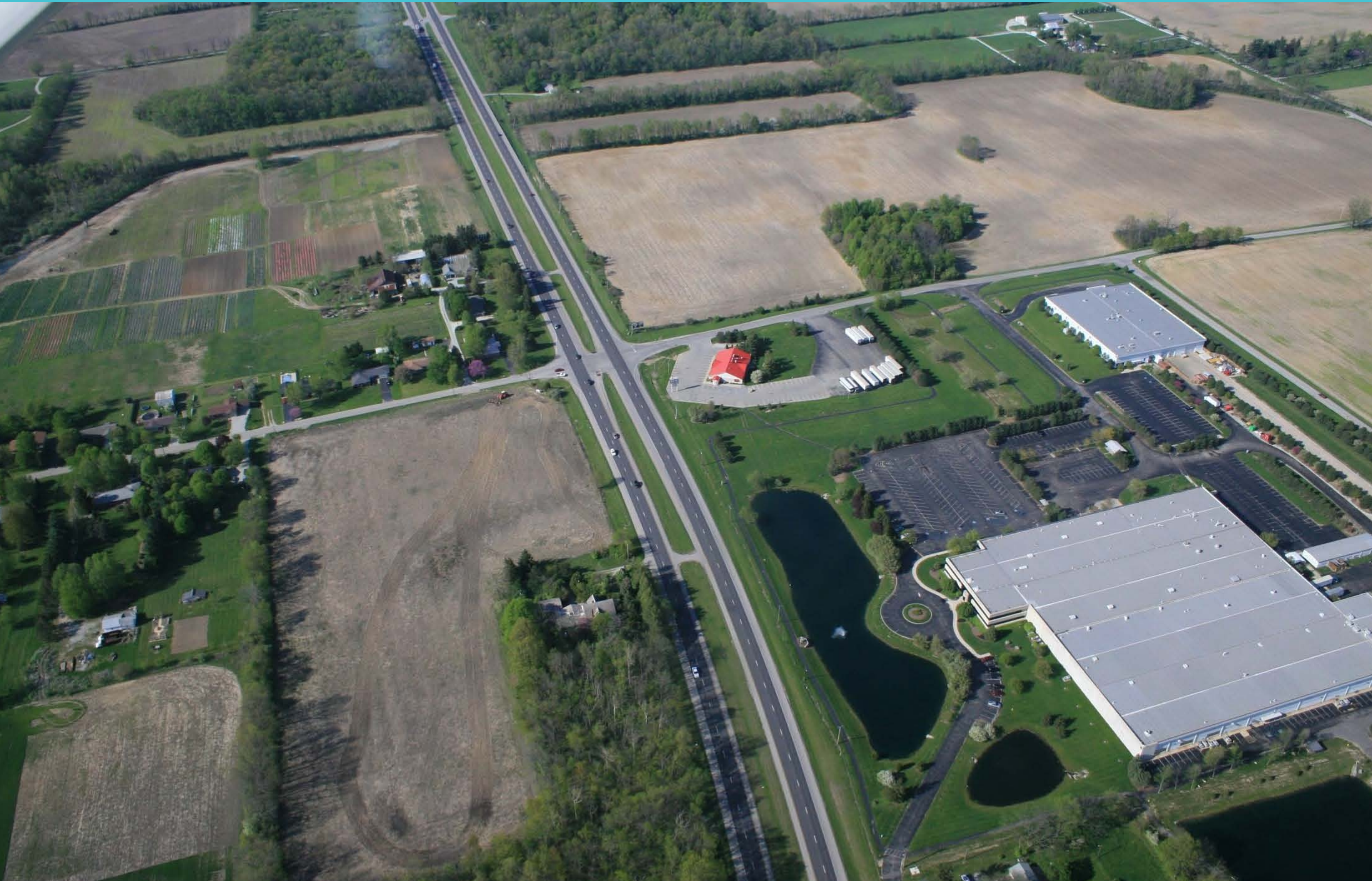
191st Street interchange“before”



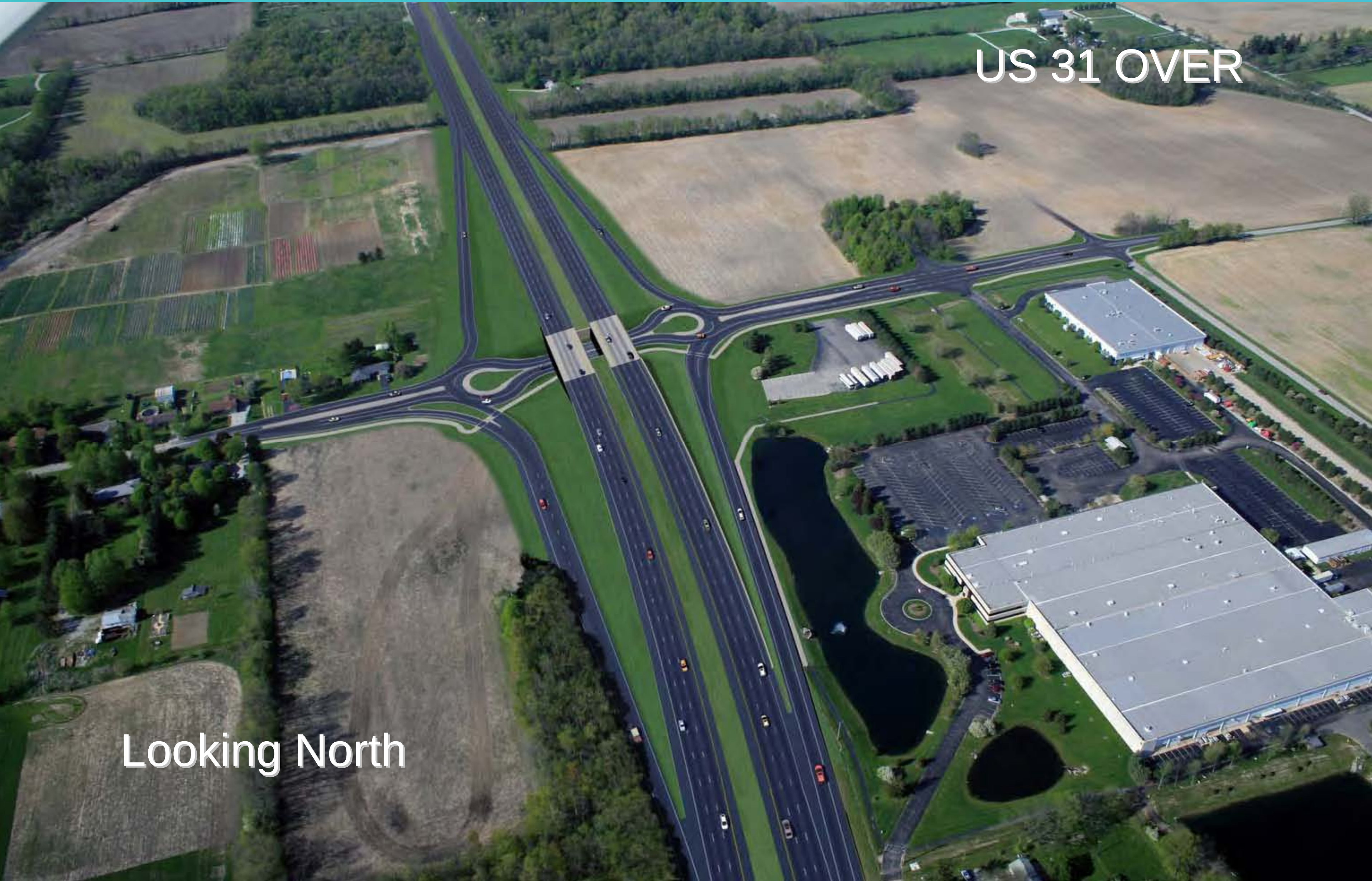
191st Street interchange“After”


191st Street OVER
Looking North

191st Street interchange“before”



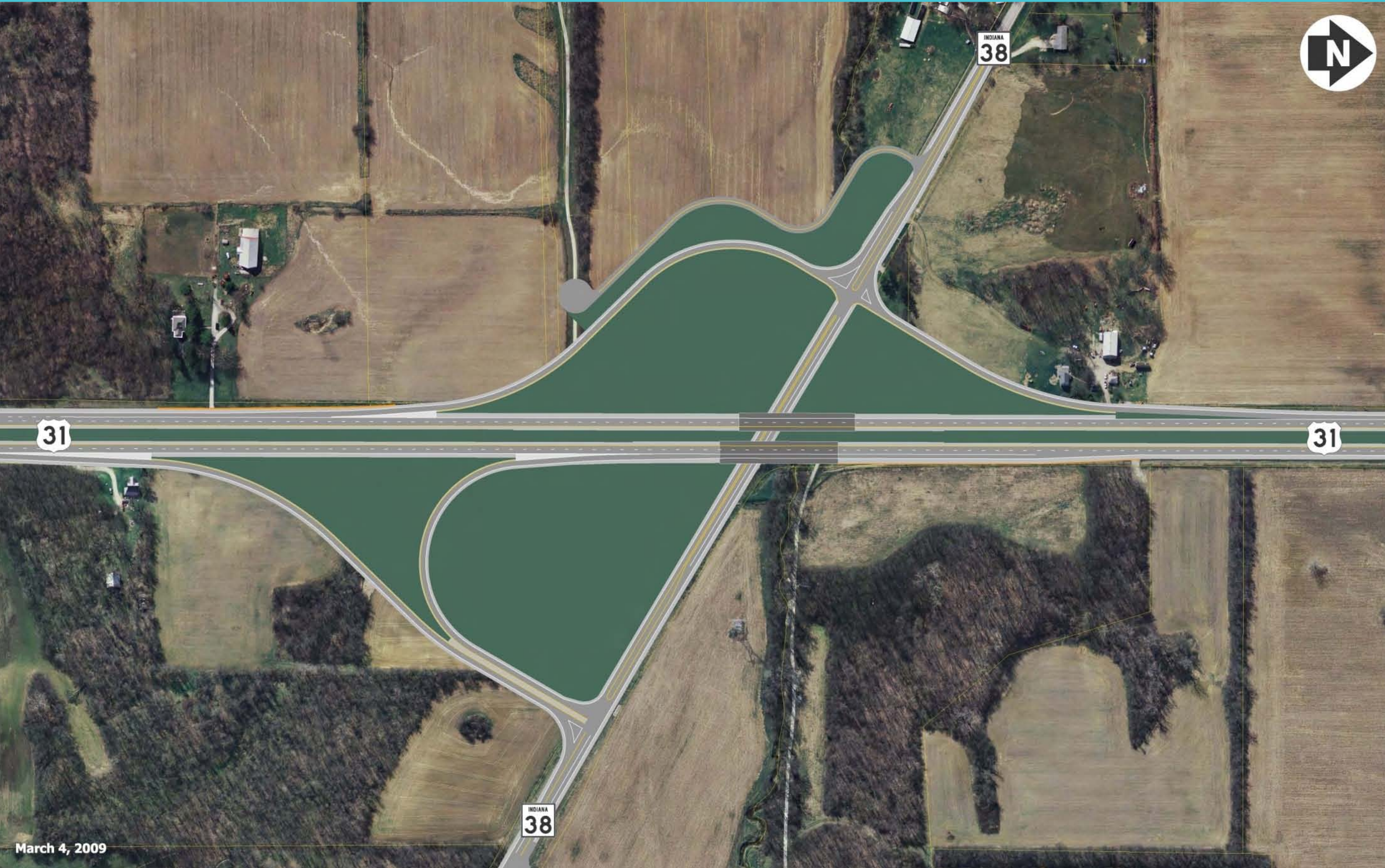
191st Street interchange"After"


US 31 OVER
Looking North

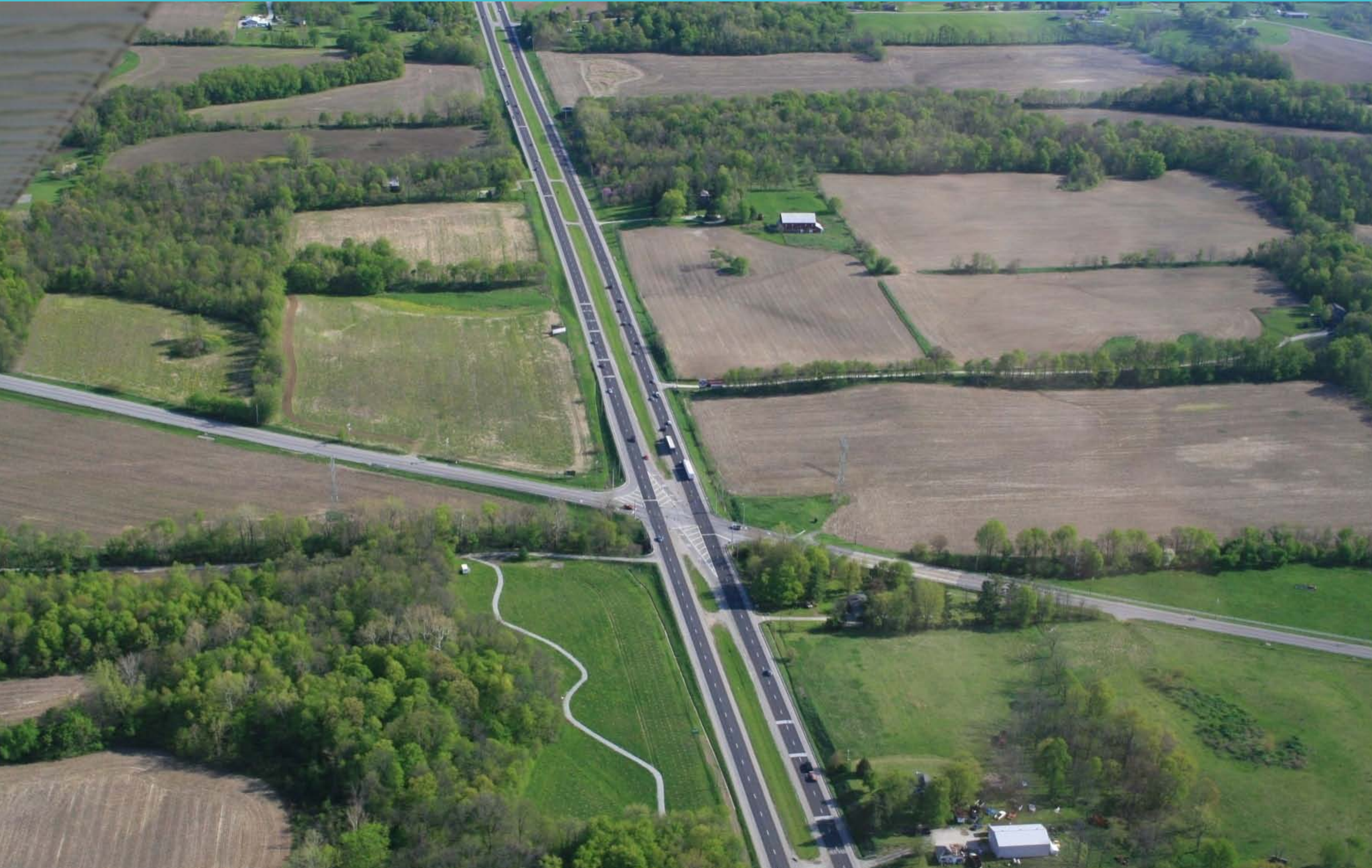
SR 38 interchange

- Another construction project will relocate the entrance to the new park later this year
- First US 31 Hamilton County interchange to be constructed
- Protect historic Lindley Farm Property

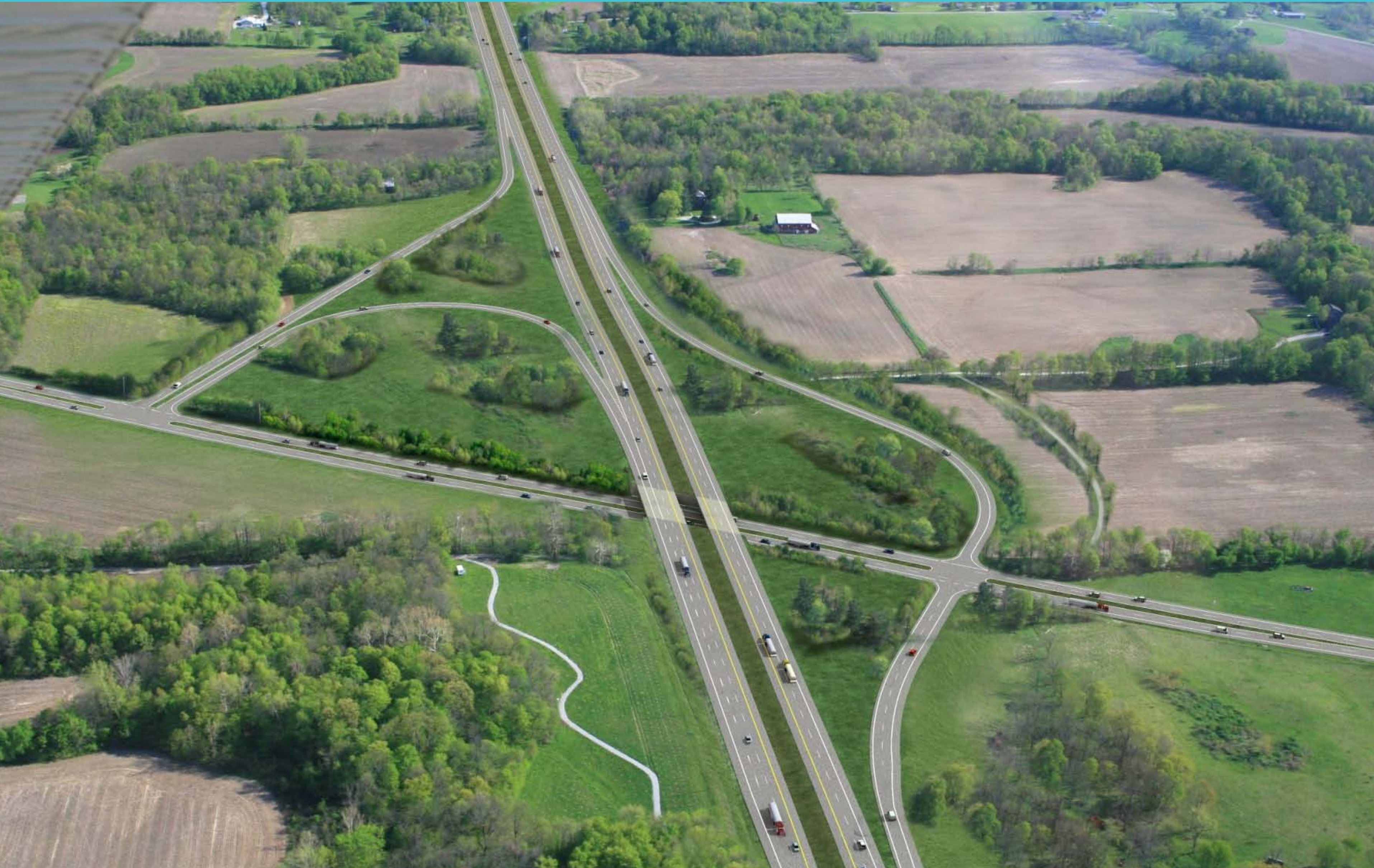
SR 38 interchange


INDIANA 38
31
31
INDIANA 38
N
March 4, 2009

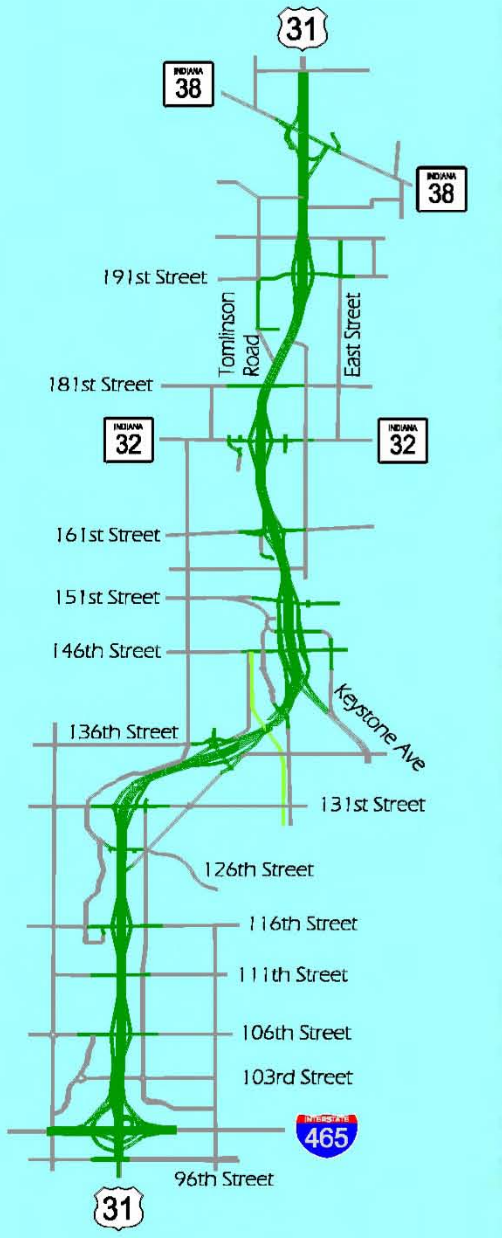
SR 38 interchange area “before”

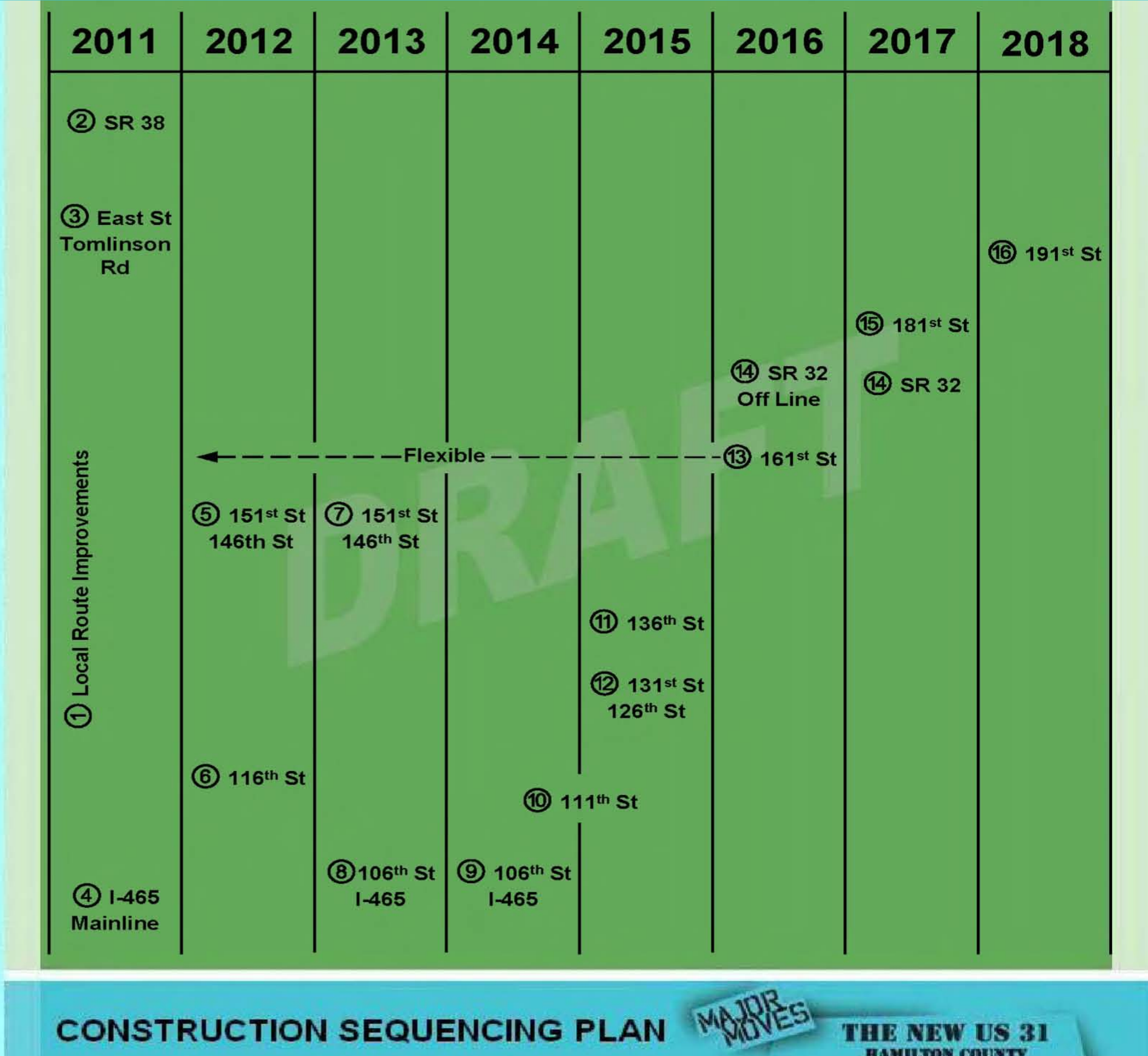


SR 38 interchange area “after”



Construction Sequencing


31
INDIANA 38
INDIANA 38
191st Street
Tomlinson Road
East Street
181st Street
INDIANA 32
INDIANA 32
161st Street
151st Street
146th Street
Keystone Ave
136th Street
131st Street
126th Street
116th Street
111th Street
106th Street
103rd Street
INTERSTATE 465
96th Street
31



2011	2012	2013	2014	2015	2016	2017	2018
② SR 38							
③ East St Tomlinson Rd							⑯ 191st St
						⑮ 181st St	
					⑭ SR 32 Off Line	⑭ SR 32	
① Local Route Improvements	← – – – – – –	– Flexible – –	– – – – – –	– – – – – –	⑬ 161st St		
	⑤ 151st St 146th St	⑦ 151st St 146th St					
				⑪ 136th St			
				⑫ 131st St 126th St			
	⑥ 116th St			⑩ 111th St			
④ I-465 Mainline		⑧ 106th St I-465	⑨ 106th St I-465				

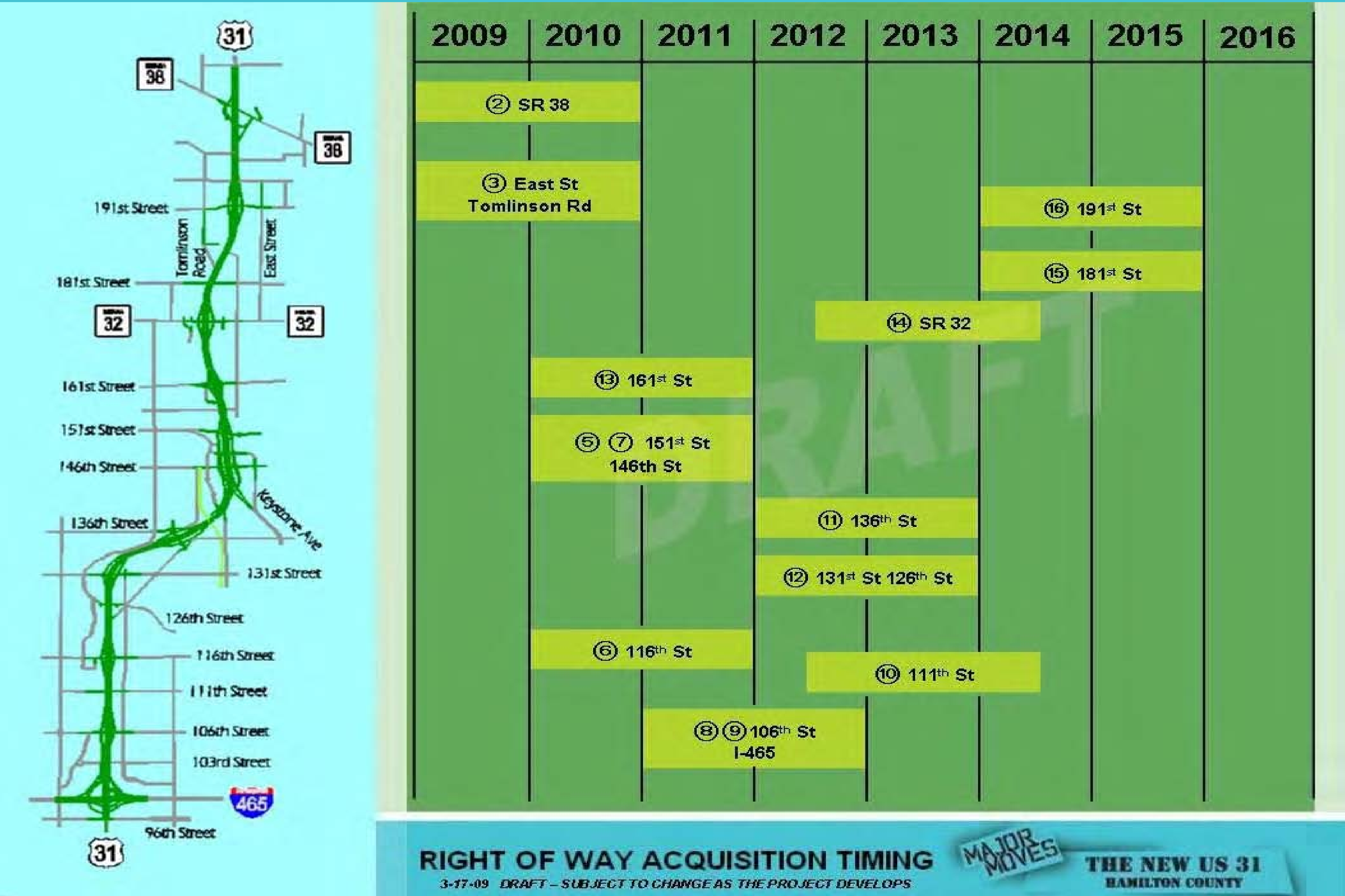
DRAFT

CONSTRUCTION SEQUENCING PLAN

MAJOR MOVES

THE NEW US 31
HAMILTON COUNTY

Land Acquisition Schedule



Land acquisition

- Affected property owners will be notified via mail
- Decisions about partial purchase or total purchase determined during the right-of-way acquisition process
- Right-of-way acquisition process – allows 18 to 24 months to complete the purchase, to accommodate the property owner
- Adequate notice in advance of the acquisition
- Early acquisition and the order of acquisition will be determined based on hardship, availability of funding, and construction sequencing.

ACQUISITION
RELOCATION

Process schedule

- Record of Decision (ROD) issued Feb. 2009
- Land Acquisition happens minimum 18-24 months prior to construction of each area
- Preliminary design is under way for entire corridor
- Right of way acquisition has commenced for early construction contracts
- Construction begins 2011
- Construction completed 2018

Q&A
Thank you!